REKTOR, Leonard; GROSS, Jan

Treatment of anxiety states with cholinergics. Cesk. psychiat. 53 no.2:101-105 Mar 57.

1. Neuro-psychiatricke oddelenie OUNZ - okr. nemocnice v Levoci.

(ANXIETY, ther.
acetylcholine (Cz))
(ACETYLCHOLINE, ther. use
anxiety (Cz))

GROSS, Jan; TAUTERMANN, Pavel

Treatment with ethanol-barbiturate infusions in psychiatry. Cas. lek. cesk. 96 no.45:1426-1433 8 Nov 57.

1. Neuropsychiatricke odd. OUNZ v Levoci, prednosta MUDr Leonard Rektor. J. G., Bratislava. Panenska 33.
(NEUROSES, ther.
ethanol with barbiturates)
(ALCOHOL, ETHYL, ther. use
ethanol, in neuroses, with barbiturates)
(BARBITURATES, ther. use
neuroses, with ethanol)

EXCERPTA MEDICA Sec 8 Vol 12/1 Neurology Jan 59

622. AIMED ELECTROSHOCK - Cielené elektrošoky - Guensberger E., Gross J. and Masárik J. Psychiat. Kl.n., Bratislava; Psychiat. Odd., OÚNZ, Levoča - ČSL. PSYCHIAT. 1958, 54/2 (116-121) Tables 1 Illus. 1

Before applying the electroshock the patient is led into an interview in barbiturate subnarcosis in order to manifest, actualize and isolate the disease structure to a maximal degree. The subsequent application of current leads to amnesia for the material discussed in such an interview. This method is indicated primarily in monosymptomatic psychotic pictures, but also in multisymptomatic psychoses where, however, one symptom is dominant, and it is possible to improve the general status and even the sociability of the patient. An attempt at verifying this working hypothesis experimentally is described. (VIII, 19)

JANIK, A.; BORODIN, O.; GROSS, J.

Premorbid stage & its relation to neurotic reactions. Cas. lek. cesk. 97 no.30:924-927 18 July 58.

1. Z Psychiatrickej kliniky Lek. fak. UK v Bratislave, prednosta doc. MUDr. E. Guensberger a z Psychiatrickej kliniky Lek. fak. MU v Brne, prednosta prof. MUDr. J. Hadlik. A. J. Bratislava, Psychiatricka klinika.

(NEUROSIS, REACTIVE, manifest.
premorbid sympt. (Cz))

VINAR, O.;VINAROVA, M.;GROSS, J.;HOSIK, L.;DIABAC, A.;TRCKA, V.

Possibility of the utilization of cyano-acetic acid hydrazide in psychiatry. Cesk. fysiol. 9 no.1:96-97 Ja 60.

1. Psychiatricka katedra ustavu pro doskolovani lekaru, Praha, Psychiatricka lecebna, Praha 8 Psychiatricka klinika lek. fak. MU. Brno Vyskumny ustav pro farmacii a biochemii, Praha.
(ISONIAZID rel. cpds.)
(DEPRESSION ther.)

JAROS, M.; GROSS, J.; HOSAK, L.

Effect of cyanacetic acid hydrazide on higher nervous activity in normal subjects. Activ. nerv. sup. 3 no.2:206-207 '61.

1. Psychiatrická klinika University J. Ev. Purkyne, v Brne Vyzkumny ustav psychiatricky, Praha.

(CENTRAL NERVOUS SYSTEM pharmacol)
(HYDRAZINE pharmacol)

HOSAK, L.; SYNKOVA, J.; GROSS, J.

Experience with the influence of flattened and flat electroencephalograms by cyanazide-VUFB. Activ. nerv. sup. 3 no.2:207-208 '61.

1. Psychiatricka klinika University J. [illegible] Purkyne v Brne.

(ELECTROENCEPHALOGRAPHY pharmacol)
(HYDRAZINE pharmacol)

BARTOVA, D.; KALURIK, M.; GROSS, J.; HOSAK, L.

Experience with the treatment of male sexual disorders with cyanazide.
Activ. nerv. sup. 3 no.2:224-225 '61.

1. Psychiatricka klinika University J. Ev. Purkyne, Brno.

(HYDRAZINE ther) (IMPOTENCE ther)

JANIK, A.; GROSS, J.

Psychiatric diagnosis and psychopharmacological therapy. Bratisl. Lek. Listy 42 no.5:271-277 '62.

1. Z Psychiatrickej katedry Ustavu pre doskolovanie lekarov v Prahe. vedouci doc. MUDr. J. Prokupek.
(MENTAL DISORDERS) (PSYCHOPHARMACOLOGY)

GROSS, J.; SVAB, L.

Some more recent findings in the study of experimental sensorial deprivation. Acta nerv. sup. (Praha) 6 no.4:405 '64.

1. Vyzkumny ustav psychiatricky, Praha.

L 05309-67 EST(j) (N) RM

ACC NR: AP7000216 SOURCE CODE: PO/0099/66/040/002/0265/0270

13
B

WAKSMUNDZKI, A. and GROSS, J., of the Department of Physical Chemistry, M. Curie-Sklodowska University (Katedra Chemii Fizycznej Uniwersytetu M. Curie-Sklodowskiej), Lublin.

"R_f and R_m Coefficients of Some Naphthols in Systems of the Type: Nonpolar Solvent-Dimethylsulphoxide - Glycerol"

Warsaw, Roczniki Chemii, Vol 40, No 2, 1966, pp 265 - 270

Abstract (Authors' English abstract): The relationship between R_f and R_m coefficients of some naphthols and the composition of the polar or non-polar phase were determined. In most cases the Rm coeffients were found to be additive in respect to the composition of the mixed phase. Orig. art. has: 5 figures.

[JPRS: 36,002]

TOPIC TAGS: organic solvent, glycerol, DMSO

SUB CODE: 07 / SUBM DATE: 13 Apr 65 / ORIG REF: 004 / OTH REF: 008

KH

Card 1/1

GROSS, Jiri

Anesthesia in pediatric orthopedics. Acta chir. orthop. trauma. Cech. 28 no.6:558-561 D '61.

1. Klinika pro ortopedickou chirurgii lekarske fakulty PU v Olomouci, prednosta prof. dr Arnold Pavlik.
(ORTHOPEDICS anesth & analg)
(ANESTHESIA GENERAL in inf & child)

GROSS, J.

Vegetative stabilization of anesthesia with ganglioplegic drugs. Acta chir. orthop. traum.cech. 29 no.2:193-197 '62.

1. Klinika pro orthopedickou chirurgii University Palackeho v Olomouci, prednosta prof. dr. A.Pavlik.
(AUTONOMIC DRUGS ther) (ANESTHESIA)
(ORTHOPEDICS anesthesia and analgesia)

GROSS, K.

GROSS, K. Distilled water. p. 120
Managing the traction network of French railroads. p. 127

Vol. 8, no. 4, Apr. 1956
PRZEGLAD KOLEJOWY ELEKTROTECHNICZNY
TECHNOLOGY
Warszawa, Poland

So: East European Accession Vol. 6, no. 7, 1957

POLAND/Chemical Technology - Chemical Products and Their Application, Part 1. - Water Treatment, Sewage. H-5

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 47208

Author : Karl Gross
Inst : -
Title : Upon Water Distillation.

Orig Pub : Wiadom. elektrotechn., 1956, 16, No 4, 83-85

Abstract : A rational method of water distillation is described and a scheme of a distilling apparatus, output about 20 liters per hour, is presented.

Card 1/1

GROSS, K., instruktor peredovykh metodov truda.

Methods for increasing lavor productivity. Stroitel' 2 no.9:9 8'56.
(Masonry) (MLRA 10:1)

. ZHELYABIN, A.; KOVNATSKIY, I.; GROSS, K.; TULER, A.

Manual on machining flour mill rolls ("Polishing and grooving flour mill rolls" by L.I.Kotliar and N.IA.Kesterl'man. Reviewed by A.Zheliabin and others). Muk.-elev.prom. 25 no.2: 3 of cover F '59. (MIRA 12:4)

1. Glavnyy inzhener Moskovskogo oblastnogo upravleniya khleboproduktov (for Zhelyabin). 2. Glavnyy inzhener Moskovskogo gorodskogo upravleniya khleboproduktov (for Kovnatskiy). 3. Glavnyy inzhener mel'nitsy No.2 "Novaya Pobeda." (for Gross). 4. Glavnyy inzhener Novosibirskogo mel'nichnogo kombinata No.1 (for Tuler).

(Flour mills) (Kotliar, L.I.) (Kesterl'man, N.IA.)

GROSS, Kazimierz (Adres: Radom, ul. Limanowskiego 42)

Pathogenesis of spontaneous rupture of the stomach. Polski przegl. chir. 26 no.3:199-204 Mr '54.

1. Z Chirurgicznego Oddzialu Szpitala Miejskiego w Radomiu, Ordynatorzy: dr T.Orzeszko, dr A.Pabisiak i z Pracowni Anatomo-patologicznej, Kierownik: dr W.Hanski.(Praca wplynela dnia 13. XII.1952)

(STOMACH, rupture,
*spontaneous)

SZULC, Jerzy; GROSS, Kazimierz

On the problem of section of the obturator nerve in contracture and painful diseases of the hip joint. Polski przegl.chir. 31 no.12:1341-1348 D '59.

1. Z III Kliniki Chirurgicznej AM w Lodzi Kierownik: prof. dr W. Tomaszewicz Z II Zakladu Chirurgii Urazowej Studium Doskonalenia Lekarzy AM w Warszawie Kierownik: doc. dr J.Szulc.

(HIP dis)
(OBTURATOR NERVE surg)
(CONTRACTURE surg)

PROCHAZKA, J.; TRAPLOVA, A.; HOMOLKA, J.; GROSS, K.

Epidemic jaundice in children. Pediat. listy 6 no.3:142-145 May-June 1951.
(CIML 20:11)

1. Jaroslav Prochazka, M.D. and Anna Traplova, M.D. of the Infectious Department of the State District Hospital in Bulovka. 2. Jiri Homolka, M.D. of the First Children's Clinic in Prague. 3. Karel Gross, M.D. of the Prosectorium of the State District Hospital in Bulovka.

GROSS, K.; TRAPLOVA, A.

Pathologic findings in infectious hepatitis. Pediat. listy, Praha 6 no.4:208-212 July-Aug 1951. (CIML 21:1)

1. Karel Gross, M.D. of the Prosectorium of the State District Hospital in Prague VIII (Head -- Prof. Vaclav Jedlicka, M.D.).
2. Anna Traplova, M.D. of the infectious Department of the State District Hospital in Prague VIII (Head -- Prof. Jaroslav Prochazka, M.D.).

GROSS, K.

Histologic determination of phosphatase as an aid in physiologic investigations on the endometrium. Cas. lek. cesk. 90 no.22:672-675 1 June 1951. (CLML 20:9)

1. Of the State District Hospital at Bulovka Prosection Department (Head--Prof.V. Jedlicka, M.D.) and of the Gynecological Department of the same hospital (Head--Docent J. Moudry, M.D.).

SNAJDR, Vladimir, MUDr (chirurg. odd. prednosta: prof. MUDr J.Knoblock); GROSS, Karel, MUDr (prosektura prednosta: prof. MUDr Vaclav Jedlicka)

Problem of lateral aberrant struma. Cas.lek.cesk. 91 no.32:934-936 8 Aug 52.

1. Ze statni oblastni nemocnice na Bulovce.

(GOITER,
aberrant lateral)

KALINA, Cestmir, MUDr; GROSS, Karel, MUDr

Cardiospasm with heterotopic cartilage and mucoidal glands. Pediat. listy, Praha 9 no.5:299-300 Sept-Oct 54.

1. Z detskeho oddeleni nemocnice Bulovky, Praha (for Kalina) 2. Z onkologickeho ustavu s prosektury nem. Bulovky, Praha prednosta prof. MUDr. V.Jedlicka (for Gross)

(CARDIOSPASM, in infant and child
caused by heterotopic cartilage & mucous gland in cardia)
(CARTILAGE
heterotopic in cardia, causing cardiospasm in inf.)
(STOMACH, physiology
cardiac gland in etiol. of cardiospasm in inf.)

BERNARD, Adolf, MUDr; GROSS, Karel, MUDr

Effect of Rh sensitisation on the organism in woman. Cas lek cs 93 no.20:536-540 My '54. (MEAL 3:7)

1. Gyn. porod. odd. v Praze 8, Na Bulovce, prednosta doc MUDr J.Moudry (for Bernard) 2. Prosektura v Praze 8, Na Bulovce, prednosta prof. MUDr V.Jedlicka (for Gross)
(Rh FACTORS,
*sensitisation)

GROSS, Karel, MUDr (Praha VII, ul. Mlade gardy 35)

Cytological and histological investigations on conditions related to changes in the cervix uteri. Cesk.onkol. 2 no.2-3:215-226 1955.

1. Onkologicky ustav v Praze.
(CERVIX, UTERINE, neoplasms; precancer, cytol. diag.)

RUMANIA / Virology. Human and Animal Viruses. Hepatitis Viruses. E-3

Abs Jour : Ref Zhur - Biol., No 20, 1958, No 90634

Authors : Bukaresti, L.; Kasza, L.; Zillmann, V.; Gross, K.; Kovacs, E.; Csiki, I.; Gagyi, R.

Inst : Not given

Title : Polarographic Studies in Epidemic Hepatitis.

Orig Pub : Rev. med. (RPR), 1956, 2, No. 2, 16-22.

Abstract : No abstract given.

Card 1/1

GROSS, Karel, MUDr.

Is cytologic diagnosis authorized. Cas.lék cesk. 95 no.12:321-323 23 Mar 56.

1. Onkologicky ustav, Praha.
(DIAGNOSIS
cytodiag., evaluation)

KOS, Miroslav, Dr.; HULEK, Miro, Dr.; GROSS, K., Dr.

Malignant degeneration of cystic teratoid tumor of ovary.
Cesk. gyn. 22[36] no.4:327-328 May 57.

1. Por. gyn. odd. Praha VIII, prednosta doc. Dr. Jiri Moudry, a prosektura, prednosta prof. Dr. Vaclav Jedlicka.
(OVARIES, neoplasms
teratoma, cystic with malignant degen., surg. (Cs))
(TERATOMA, case reports
ovary, cystic with malignant degen., surg. (Cz))

GROSS, Karel

Abrasion of the uterine cervix in preventive examinations for gynaecological cancer. Rev. Czech. M. 4 no.1:50-55 1958.

1. Oncological Institute, Prague, Director: Dr. F. Vadura.
(UTERUS NEOPLASMS, diag.
abrasion of cervix in prev. exam.)

GROSS, K.; STARA, B.

Clinical and morphological investigations of cervical cancer during irradiation. Vop. onk. 4 no.5:589-597 '58. (MIRA 12:1)

1. Onkologicheskiy institut v Prage (Chekholovakiya) Adres avtorov: Praha, 8, Na Truhlarce, 100, Onkologicky Ustaw.
(RADIOTHERAPY, in var. dis.
cancer of cervix, histopathol. aspects (Rus))
(CERVIX NEOPLASMS, ther.
x-ray, histopathol. aspects (Rus))

EXCERPTA MEDICA Sec 10 Vol 13/5 Obstetrics May 60

968. A HISTOPATHOLOGICAL CONTRIBUTION TO THE TREATMENT OF CANCER OF THE UTERINE CERVIX - Ein histopathologischer Beitrag zur Frage der Behandlung des Gebärmutterhalskrebses - Gross K. Onkol. Inst., Prag - NEOPLASMA 1959, 6/1 (68-81) Illus. 12

In cases of cervical carcinoma, a distinction should be made between the tumours originating from the outer surface of the portio or from the vaginal portion of the cervix, and those originating from the cervical canal. On the basis of an extensive histological examination of 35 removed uteri, in which the diagnosis had been made on the occasion of mass examinations, it could be shown that in early cases this distinction can easily be made. The two forms are said to differ in biological respects as well.

Wespi - Aarau (X, 5, 18)

VIKLICKY, J.;GROSS, K.;POSPISIL, J.;ZAVADIL, M.

Is leukoplakia of the cervix uteri a precancerous condition? Cesk. gyn. 24[38] no.7:497-499 S '59
(LEUKOPLAKIA pathol.)
(CERVIX UTERI neopl.)

ZAVADIL, M.;GROSS, K.;POSPISIL, J.;VIKLICKY, J.

Histological classification of precancerous conditions of the cervix uteri. Cesk. gyn. 24[38] no.7:515-516 S '59

1. I. gyn. klin. prednosta prof. dr. K. Klaus. - Onkol. lab. lek. fakulty KU v Praze, reditel doc. dr. J. Venta - Onkol. ustav v Praze VIII, reditel MUDr. Dr. Vadura - Ustav pro peci o matku a dite v Praze-Podoli, reditel doc. dr. M. Vojta - Pat.anat. odd. Bulovky, prednosta MUDr. J. Viklicky.
(CERVIX UTERI neopl.)

POSPISIL, J.;GROSS, K.;ZAVADIL, M.;VIKLICKY, J.

Precancerous conditions of the cervix uteri. Errors in collection and handling of histological material. Cesk. gyn. 24[38] no.7: 518-523 S '59.
(CERVIX UTERI, neopl.)

GROSS, K.;POSPISIL, J.;VIKLICKY, J.;ZAVADIL, M.

Problem of histological diagnosis of precancerous conditions of the cervix uteri. Cesk. gyn. 24[38] no.7:523-526 S '59.
(CERVIX UTERI, neopl.)

GROSS, K.; SCHOBER, B.

Appearance of tumors in rats after the survival from x-irradiation. Neoplasma, Bratisl. 7.no.1 suppl:23-30 '60.

(RADIATION INJURY exper)
(NEOPLASMS exper)

GROSS, K.

3 months of study on Swedish oncology. Cas.lek.cesk 100 no.42 Lek veda zhar:237-240 20 O '61.

1. Onkologicky ustav v Praze 8.

(NEOPLASMS)

[illegible], M.; Oncological Institute /Onkologický ústav/, Prague 8 Šulovka, Manager /ředitel/ Doctor F. VAŠÍČEK.

"Fusion of Cells and Nuclei in the Adenocarcinoma of the Body of the Uterus."

Prague, Časopis Lékařů Českých, Vol 102, No 42, 1963, pp 1145-1147

Abstract: [Author's English abstract] The paper deals with the fusion of the cells and nuclei in the tissue cultures of the adenocarcinoma of the body of the uterus. This fusion is proved in another non-tumoric tissue culture, as well as in the one mentioned. The observation was confirmed by photographs (20). 31 Western 10 Czech references.

1/1

GROSS, K.

Fusion of cells in adenocarcinoma of the uterine body. Cas. lek. cesk. 102 no.42:1145-1147 18 O '63.

1. Onkologicky ustav Praha 8 - Bulovka, reditel MUDr. F. Vadura.

GROSS,K.

Cytological diagnosis in the light of histological findings.
Cesk. gynek. 29 no.1:70-73 F'64.

1. Onkologicky ustav v Praze; reditel: MUDr. F.Vadura.

GROSS, K.M., instruktor peredovykh metodov truda.

Organizing bricklaying with a "team of five." Sbor.mat.o nov.tekh.v stroi. 15 no.9:9-11 '53. (MLRA 6:10)
(Bricklaying)

KARDO-SYSOYEV, F.N., inzhener; GROSS, K.M., instruktor peredovykh metodov truda; SOKLAKOV, F.V., inzhener, nauchnyy redaktor; KRYUGER, Yu., redaktor izdatel'stva; MEL'NICHENKO, F.P., tekhnicheskiy redaktor

[Manual for concrete block assemblers; assembling foundations from large blocks] Pamiatka betonshchiku-montazhniku; montazh fundamentov iz krupnykh blokov. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1956. 38 p. (MLRA 10:1)

1. Moscow. Gosudarstvennyy institut po vnedreniyu peredovykh metodov rabot i truda v stroitel'stve. 2. Gosudarstvennyy institut Orgstroy Ministerstva stroitel'stva metallurgicheskoy i khimicheskoy promyshlennosti SSSR (for Kardo-Sysoyev, Gross)
(Foundations) (Concrete blocks)

GROSS, K.; instruktor peredovykh metodov truda.

Quality of bricklaying. Stroitel' no.2:14 F '58. (MIRA 11:2)
(Bricklaying)

AYZIKOVICH, Leonid Yefimovich, kand.tekhn.nauk; GROSS, Konstantin Prokof'yevich, inzh.; MAKSIMCHUK, Boris Mikhaylovich, inzh.; KOCHETKOV, L.I., red.; GOLUBKOVA, L.A., tekhn.red.

[Mills with pneumatic equipment; assembling, adjusting and operating] Pnevmaticheskaia mel'nitsa; opyt montazha, naladki i ekspluatatsii. Moskva, Izd-vo tekhn.i ekon.lit-ry po voprosam mukomol'no-krupianoi, kombikormovoi promyshl. i elevatorno-skladskogo khoziaistva, 1957. 171 p. (MIRA 11:1)
(Flour mills) (Pneumatic-tube transportation)

GROSS, I.G.

Teaching aid for assembling radio receivers from parts. Fiz. v shkole 15 no.1:50-52 Ja-F '55. (MLRA 8:2)

1. 11-ya srednyaya shkola, g. Kungur, Molotovskoy obl.
(Radio--Receivers and reception)

AUTHORS: Gross, L.G.; Meyklyar, P.V.

TITLE: Some Methodics Problems Connected with a Study of the Kinetics of Photoconductivity in an Emulsion Film (Nekotoryye metodicheskiye voprosy, svyazannyye s izucheniyem kinetiki fotoprovodimosti emul'sionnogo sloya)

SOV-77-3-5-3/21

PERIODICAL: Zhurnal nauchnoy i prikladnoy fotografii i kinematografii, 1958, Vol 3, Nr 5, pp 329-334 (USSR)

ABSTRACT: Gladkovskiy and Meyklyar, Yegorova and Meyklyar previously considered that the absorption by the emulsion of a light quantum leads to the formation of an exciton which, on dissociation, liberates an electron or forms a silver atom. This phenomenon, they thought, could account for the photoconductivity lag. In this present study of the photoconductivity of an emulsion film, the authors made use of a 3-stage d.c. amplifier consisting of an electrometric stage (with milliammeter), a volt amplifier and a cathode repeater (Figure 1). The difference in the milliammeter readings before and during exposure of the test object indicated the value of the photocurrent. To measure the photoconductivity kinetics at the output of the amplifier, the indicating instrument could be by-passed and the electrometric stage connected to the last

Card 1/3

Some Methodics Problems Connected with a Study of the Kinetics of Photo-conductivity in an Emulsion Film SOV-77-3-5-3/21

2 stages of the EO-7 electronic oscillator amplifier. Various emulsion films and tests samples of the gelatine backing layer were tested. The films were subjected to exposure under white light from a single-disc mechanical modulator, synchronized with the oscillograph trace. The oscillograph relaxation curves for each sample were photographed, indicating the resistance, and thereby the photoconductivity of the emulsion before and during exposure. The photoconductivity lag of an exposed film is less than that of an unexposed one since the resistance, as Kirillov showed, decreases with exposure. As a result of the experiments, it was clear that the photoconductivity lag has no relation to the processes taking place in the emulsion layer, but is caused by transitory processes in the input circuit of the d.c. amplifier. There are 5 oscillograms, 3 wiring diagrams, 1 diagram, and 16 references, 8 of which are Soviet, 5 American, 1 English, 1 Japanese and 1 Hungarian.

Card 2/3

SOV-77-2-5-5/21

Some Methodics Problems Connected with a Study of the Kinetics of Photoconductivity in the Emulsion Film

ASSOCIATION: Permskiy pedagogicheskiy institut (Perm's Pedagogical Institute)

SUBMITTED: December 17, 1956

1. Photographic emulsions--Photoconductivity 2. Laboratory equipment--Applications

Card 5/5

GROSS, L.G.

Effect of the adsorption of dyes on the photoelectric sensitivity of the photographic layer. Zhur.nauch.i prikl.fot.i kin. 5 no.1:54-55 Ja-F '60. (MIRA 13:5)

1. Filial nauchno-issledovatel'skogo kinofotoinstituta, Kazan'.
(Photographic sensitometry)

9,4160
24,2600 1141
23,5000

84892

S/077/60/005/003/006/009
E073/E335

AUTHOR: Gross, L.G.

TITLE: On the Relation Between Photographic and the Photoelectric Sensitivity of an Emulsion Layer

PERIODICAL: Zhurnal nauchnoy i prikladnoy fotografii i kinematografii, 1960. Vol. 5. No. 3. pp. 219 - 220

TEXT: The photoconductivity of an emulsion layer was measured by means of a test arrangement described in an earlier paper (Ref. 1). The specimens were first maintained at a continuous humidity and then put into the metering chamber where they were pressed onto electrodes and dried to attain a specified humidity. The instant of terminating the drying process was determined from the darkness conductivity of the specimen. The illumination was by means of a YM-2 (UM-2) monochromator. The specimen was exposed to short-duration light pulses of 0.05 - 0.5 second duration. The spectral sensitivity and the absorption spectrum were determined in the same way as in an earlier published paper of the author (Ref. 2). The photoconductivity of the emulsion layers with and without ammonia increased with increasing

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S/077/60/005/003/006/009
E073/E335

On the Relation Between Photographic and the Photoelectric Sensitivity of an Emulsion Layer

duration of the first maturing process i.e. with increasing size of the average crystal. This can be explained by the extension of the range of the photoelectrons due to an increase in the diagonal of the crystal and also as a result of a smaller number of disturbances in the larger crystals (Ref. 3). If during emulsification the stabilising substance 5-methyl-7-oxy-2.3,4-triazo-indolecine was introduced the layers showed increased photoconductivity, possibly due to the fact that the stabiliser prevents the reduction of silver halide.

In all cases, increase of the duration of the second maturing led to a reduced photoconductivity. The obtained relation is graphed in Fig. 1, which shows the dependence of the sensitivity (ascending curve) and of the photoconductivity (descending curve) as a function of the duration of the second maturing. It can be explained by the formation of sensitivity centres, electron acceptors Introduction of a reducing agent

Card 2/4

On the Relation Between Photographic and the Photoelectric Sensitivity of an Emulsion Layer

led to the same result. If the product of the second maturing was a photo halogen acceptor, as is assumed by J. W. Mitchell and N.F.Mott (Ref. 4), the range of the electrons must increase and so should the photoconductivity. It was also found that recombination of photoelectrons with positive holes does not take place in emulsion crystals even if the emulsion has not been subjected to a second maturing process. This is indicated by the linear character of the dependence of the photo current on the illumination in the case that the quantity of incident illumination corresponds to the average and upper parts of the characteristic curve. This result is in accordance with results published by Meyklyar (Ref. 5), who established a similar dependence for large AgBr crystals at low illumination intensities. No movement of holes in crystals of silver halide was established in spite of the numerous attempts to do so (Ref. 6), with the exception of the case in which the crystals were processed in a halogen atmosphere (Refs. 7, 8), which differs greatly from the conditions pertaining to the

S/077/60/005/003/006/009
E073/E535

On the Relation Between Photographic and the Photoelectric Sensitivity of an Emulsion Layer

manufacture of emulsions. The author also studied the relation between the spectral sensitivity the photoconductivity spectrum and the absorption spectrum of the photographic layer. The results of this comparison are plotted in Fig. 2 for the non-sensitized AgBr layer. The graphs show good agreement between the curves of the spectral sensitivity and the photoconductivity of the spectrum. Compared with the other curves the curve of the spectral absorption is considerably steeper a feature pointed out also by other authors (Ref. 9). Acknowledgments are expressed to P.V. Meyklyar for his assistance in directing the work and also to I.S. Rizayeva for her assistance in preparing the emulsions. There are 2 figures and 9 references 6 Soviet, 2 English and 1 Japanese (in English)

ASSOCIATION: Kazan Filial NIKFI (Kazan Branch of NIKFI)

SUBMITTED July 23, 1959

Card 4/4

GROSS, L. G.

Cand Phys-Math Sci - (diss) "Photoconductivity of photographic films." Kazan', 1961. 16 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Kazan' Order of Labor Red Banner State Univ imeni V. I. Ul'yanov-Lenin); 120 copies; price not given; (KL, 6-61 sup, 192)

S/194/61/000/010/051/082
D256/D301

AUTHOR: Gross, L.G.

TITLE: The dependence upon some technological factors of the photographic emulsion photo-electric sensitivity

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 10, 1961, 28, abstract 10 G191 (Tr. Vses. n.-i. kinofotoinstituta, 1960, no. 37, 58-63)

TEXT: The importance is explained of several factors influencing the process of charge motion in the emulsion crystals, evaluated in terms of the photo-conductivity of the emulsion layer. The dependence of the photo-conductivity upon the size of the crystals is presented, as well as the relation between the time of the second growth and the photo-conductivity, photographic sensitivity and the diffuse-edge density. 19 references. [Abstracter's note: Complete translation]

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S/081/61/000/021/015/094
B102/B138

AUTHOR: Gross, L. G.

TITLE: Dependence of the photoelectric sensitivity of a photographic layer on the sensitizer concentration

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 21, 1961, 53, abstract 21B429 (Tr. Vses. n.-i. kinofotoinstituta, no. 37, 1960, 64-70)

TEXT: Photoconductivity σ was studied in the 400 - 700 - mμ range in dependence on the sensitizer concentration (bisubstituted thiacarbocyanine) of highly sensitive ammonia emulsions. σ was found to be due to the motion of charges in microcrystals and not in the dye (D) layers. When the D concentration is raised from $1.3.10^{-5}$ to $5.2.10^{-4}$ moles per mole of Ag, the curves of spectral absorption and of σ of the photolayer show monomer (λ_{max} - 590 mμ), dimer (λ_{max} - 540 - 550 mμ) and polymer (λ_{max} - 640 mμ) bands. They are attributed to electron liberation when light is absorbed by single molecules and polymeric aggregates of adsorbed P. In

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this case σ also increases in the range of AgBr self-absorption, which is attributed to hole capture by the D molecules. Due to this, the mean free path of the photoelectrons grows. At hyper-optimum concentrations σ and the absorption of D increase in the sensitization range and the sensitivity to light drops. The latter is explained by the capture of part of the photoelectrons by D molecules, or the desensitization of the crystals by Br^- ions formed in the transition of electrons from D to the photobromine. [Abstracter's note: Complete translation.]

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S/058/63/000/002/025/070
A062/A101

AUTHOR: Gross, L. G.

TITLE: Dependence of the photoelectric sensitivity of photoelectric layers on the previous exposures

PERIODICAL: Referativnyy zhurnal, Fizika, no. 2, 1963, 93 - 94 abstract 2D612 ("Tr. Vses. n.-i. kinofotoin-ta", 1962, no. 46, 46 - 48)

TEXT: An investigation was made of the influence of a series of short duration (0.5 sec.) exposures, separated by dark pauses ~ 15 sec, on the conductivity of ripening and non-ripening emulsions of Ag Br and Ag Br (J). On the Ag Br (J) emulsions the photoconductivity was at each subsequent exposure smaller than at the preceding one, independently of the ripening, and after a great number of exposures it attained a certain constant value. After a long dark interruption, resuming the exposures resulted in a certain increase of the photoconductivity of the non-ripening emulsions, while that of the ripening emulsions remained unchanged on the attained constant value. On pure Ag Br emulsions the dependence of the photoconductivity on the exposures is more complicated, and the above-indicated

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dependence may be considered as its simplest particular case. Precisely on the Ag Br emulsions the photoconductivity first increased and only after a great number of exposures it decreased, tending to the constant value. After a long interruption, resuming the exposures substantially increased the photoconductivity, but every subsequent exposure produced a lesser effect than the preceding one. All the regularities in the Ag Br emulsions did not depend on the ripening. The non-monotonous character of the photoconductivity variation with exposure may be interpreted in two ways. Perhaps, the first photoelectrons fill in the fixation centers which exist in the microcrystals, whereby the path length of subsequent electrons is increased; the photolysis that takes place at the same time creates new centers which subsequently become effective traps for the electrons and reduce their path length. It is also possible that the increase of photoconductivity is due to the formation of acceptor holes at the exposure; then the increase of their concentrations increases the probability of exciton interaction, so that the photoconductivity begins to decrease. The data for choosing either of these two explanations are for the time being insufficient.

A. Kartuzhanskiy

[Abstracter's note: Complete translation]

Card 2/2

SOMOV, N.N.; GROSS, L.G.; NOVIKOV, I.A.

Investigating the drying of emulsion layers under vacuum in case of radiation heating. Zhur. nauch. i prikl. fot. i kin. 8 no.3:209-210 My-Je '63. (MIRA 16:6)

1. Filial Vsesoyuznogo nauchno-issledovatel'skogo kinofoto-instituta, Kazan'.
(Photographic emulsions--Drying)

GROSS, L.G.; MEYKLYAR, P.V.; KHARITONOVA, Z.V.

Effect of optical sensitizers on the photoelectric sensitivity of photographic layers having a different ripening time. Trudy NIKFI no.46:43-45 '62. (MIRA 18:8)

GROSS, L.C.

Effect of pre-exposure on the photoelectric sensitivity of photographic layers. Trudy NIKFI no.46:46-48 '62.

(MIRA 18:8)

GROSS, L.G.

Mechanism of the activation of the optical sensitization of photographic layers. Zhur. nauch. i prikl. fot. i kin. 10 no.4:250-258 Jl-Ag '65. (MIRA 18:?)

1. Kazanskiy filial Vsesoyuznogo nauchno-issledovatel'skogo kinofotoinstituta.

ACC NR: AR6023275 SOURCE CODE: UR/0058/66/000/003/D124/D124

AUTHOR: Gross, L. G.; Bukin, A. I.

TITLE: Method of estimating the electric excitation ability of films

56

B

SOURCE: Ref. zh. Fizika, Abs. 3D1026

REF SOURCE: Tr. Vses. n.-i. kinofotoin-ta, vyp. 52, 1965, 36-47

TOPIC TAGS: photographic film, excited state, surface property, photographic emulsion

ABSTRACT: An instrument was developed for the measurement of the surface potential of photographic film materials that become charged by motion through the picture-taking, processing, etc. apparatus. The instrument makes it possible to investigate the rate of accumulation of charges and its dependence on the rate of motion and on the tension of the film, on the materials of the rollers, etc., and also to determine the sign of the resulting charge. Several emulsion-technology problems for the solution of which the constructed instrument would be useful are considered. A. Kartuzhanskiy. [Translation of abstract]

SUB CODE: 14

Card 1/1

ACC NR: AR6032367 SOURCE CODE: UR/0081/66/000/012/N100/N100

AUTHOR: Gross, L. G.; Bukin, A. I.

TITLE: Method of evaluating the electric excitability of photographic films

SOURCE: Ref. zh. Khimiya, Part II, Abs. 12N564

REF SOURCE: Tr. Vses. n.-i. konofoto-in-ta, vyp 52, 1965, 36-47

TOPIC TAGS: photographic film, electric potential, cellulose triacetate film, cellulose nitrate film, terelene film

ABSTRACT: A device is proposed for determining the accumlation rate of charges on films, as well as the influence of the speed of the film, of its take-up pull and roller material on charge magnitude. The device makes it possible to determine the kinetics of the electric potential increment and the value of the limit potential, as well as to study the electric excitability of films (cellulose triacetate, cellulose nitrate, terelene) as well as the effectiveness of film varnishes. L. Vinogradov. [Translation of abstract]

SUB CODE: 14/

Card 1/1 UDC: 771

SKOCZYLAS, B.; GROSS, M.; FILIPOWICZ, B.

Preparation of highly-polymerized desoxyribonucleic acid from the calf thymus. Acta physiol. polon. 8 no.3:523-524 1957.

1. Z Zakladu Chemii Fizjologicznej A. M. w Lodzi Kierownik: prof. dr B. Filipowicz.

(THYMUS, extract,
desoxyribonucleic acid, highly-polymerized, isolation (Pol))
(DESOXYRIBONUCLEIC ACID, preparation of,
from calf thymus, highly-polymerized prep. (Pol))

LEYKO, Wanda; GROSS, Maria; FILIPOWICZ, Bronislaw

Adenine compounds in human blood; comparison of adenine levels in arterial and oxygenated venous blood. Polskie arch. med. wewn. 39 no.1:13-18 1959.

1. Z Zakladu Chemii Fizjologicznej A.M. w Lodzi Kierownik: prof. dr B. Filipowicz. Adres autora: Lodz, Narutowicza 68, Kat. i Zakl. Chemii Fizjologicznej

(ADENINE, in blood,
comparis n in arterial & oxygenated venous blood (Pol))

PANUSZ, Henryk; GROSS, Maria; FILIPOWICZ, Bronislaw

Quantitative interpretation of polarographic waves for low concentrations of an organic depolarizer with the use of measurements of test samples of adenine. I. Investigations of standard solutions. Chem anal 5 no.4:645-655 '60. (EEAI 10:9)

1. Department of Physiological Chemistry, Academy of Medicine, Lodz.

(Polarograph and polarography) (Adenine)
(Solutions)

SKOCZYLAS, Bogna; GROSS, Maria; PANUSZ, H.

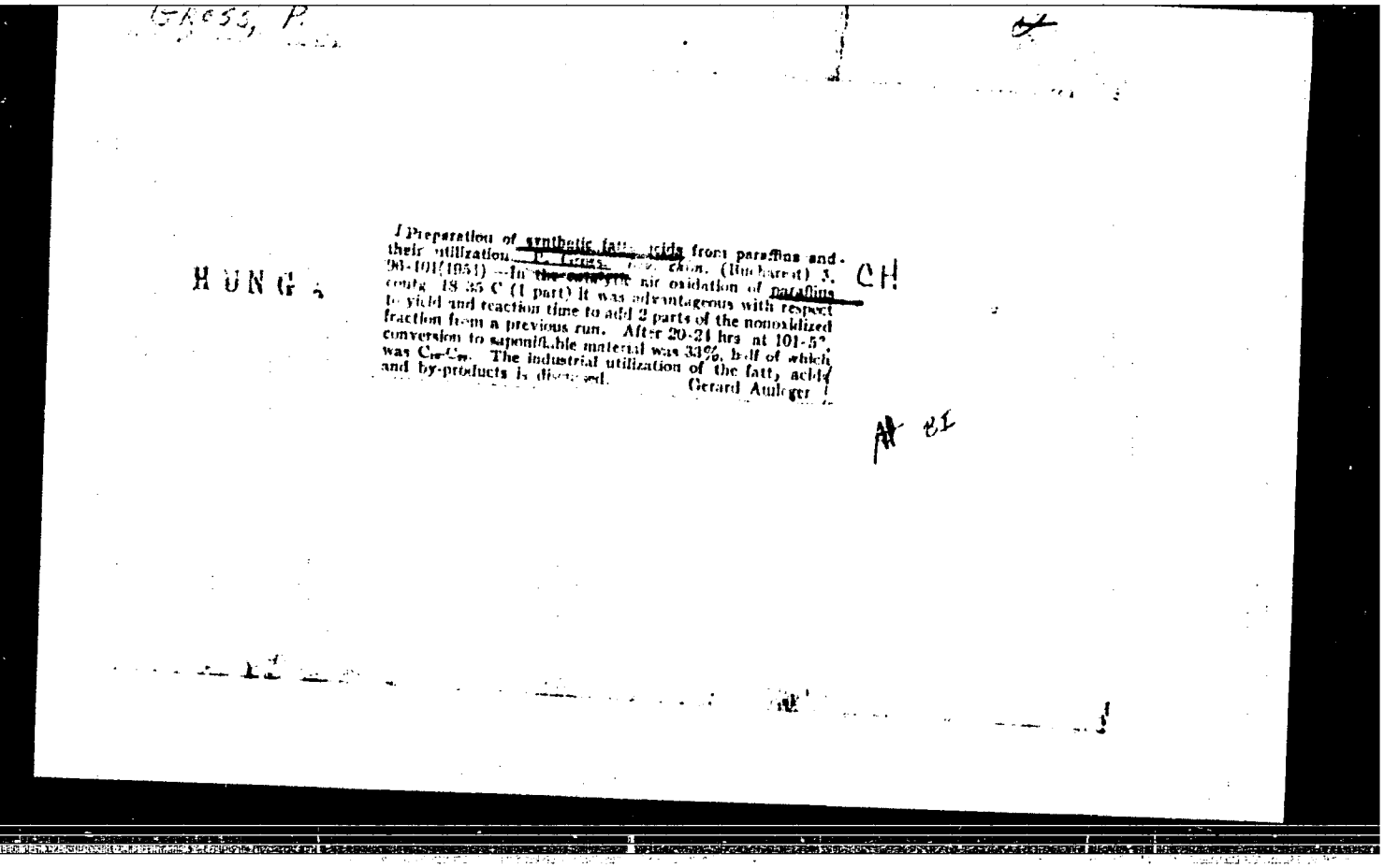
The reproducibility of the composition of DN-protein isolated from purified thymus nuclei. Acta biochim. pol. 10 no.4:353-362 '63.

1. Department of Physiological Chemistry, Medical School, Lodz.
(NUCLEOPROTEINS) (THYMUS GLAND)
(HISTOCHEMISTRY) (DNA) (CHEMISTRY)

GROSS, Maria; WALTER, Zofia

New method of the dialysis of hydrolysis products of ribonucleic acid. Chem anal 8 no.4:561-566 '63.

1. Department of Physiological Chemistry, Academy of Medicine, Lodz, and Department of Biochemistry, University, Lodz.



HUNG

Preparation of synthetic fatty acids from paraffins and their utilization. [illegible] (Bucharest) 3, 90-101(1951).—In the autoxyn air oxidation of paraffins contg. 18-35 C (1 part) it was advantageous with respect to yield and reaction time to add 2 parts of the nonoxidized fraction from a previous run. After 20-24 hrs at 101-5°, conversion to saponifiable material was 33%, half of which was C_8-C_{20}. The industrial utilization of the fatty acids and by-products is discussed. Gerard Auleger

18 3100 1087, 1154, 1521

30658
S/137/61/000/010/007/056
A006/A101

AUTHORS: Gross, P., Levi, D. L.

TITLE: Metal refining with the aid of stable vaporous halides forming during the intermediate stage, and the application of this refining method to beryllium and titanium

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 10, 1961, 15, abstract 100114 (V sb. "Izvlecheniye i ochistka redk. metallov", Moscow, Atomizdat, 1960, 412 - 422, Diskus. 422 - 427)

TEXT: Indirect distillation of Be was carried out in NaCl using Al_2O_3 tubes lined with various refractory metals (Fe, tungsten, Ta, Mo). The reaction temperature varied from 1,000 to 1,250°C, and the evaporation temperature from 800 to 900°C. Distillation experiments were carried out on a large scale at a reaction temperature of about 1,000°C in a steel tube, which was placed in a quartz tube lined with sheet Mo. The steel tube had 3 sections, i.e. the evaporator, the reactor and the condenser. One experiment yielded about 4 g Be. The yield of useful product was 30%. Distilled Be contained 0.07% Fe, < 0.01% Al, Mg and Mo, 0.1% Mn. Experiments of Ti distillation were made in Al_2O_3 tubes, placed into a

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furnace with a Pt resistance. Using NaCl, at 800°C evaporation temperature, and 1,150, 1,250 and 1,400°C reaction temperatures, 21 distillates were obtained which corresponded to degrees of NaCl conversion equal to 7, 12.6 and 20%. In the case of employing $KTiF_4$ the conversion degree was about 50% at 920°C evaporation temperature and 1,150°C reaction temperature; it attained 35% when using K_2TiF_6 at 1,000°C evaporation and 1,250°C reaction temperature. Theoretical calculations and thermodynamical concepts are given pertaining to the process of metal distillation by the indirect method. It is pointed out that chlorides and bromides are most suitable for the given process.

L. Vorob'yeva

[Abstracter's note: Complete translation]

Card 2/2

3[illegible]07
S/081/62/000/002/059/107
B106/B101

18.3100

AUTHORS: Gross, P., Levi, D. L.

TITLE: Purification of metals by the formation of stable vaporous halides in an intermediate stage and application of this purifying process to beryllium and titanium

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 2, 1962, 355, abstract 2K22 (sb. "Izvlecheniye i ochistka redk. metallov". M., Atomizdat, 1960, 412-422. Diskus., 422-427)

TEXT: Beryllium was purified by indirect distillation with NaCl in Al_2O_3 or quartz tubes lined with high-melting metals (Mo, Ta, W) at reaction temperatures of 1000-1250°C and evaporation temperatures of 800-900°C. The Be yield was ~30%. The product obtained contains 0.07% Fe, <0.01% Al, Mg, and Mo and 0.1% Mn. Titanium was distilled by a similar procedure (at an evaporation temperature of 800°C and reaction temperatures of 1150, 1250, 1400°C; the corresponding yields were 7, 12.6, and 20%, respectively.) [Abstracter's note: Complete translation.]

Card 1/1

GROSS, Roman

Some problems in exchange blood transfusion in newborn infants.
Pediat pol 36 no.11:1189-1193 N '61.
(BLOOD TRANSFUSION in inf & child)
(ERYTHROBLASTOSIS FETAL ther)

GROSS, Roman

Simultaneous pneumonia, tonsillitis and intussusception of the small intestine. Pol. przegl. chir. 34 no.9:925-928 '62.

1. Z Kliniki Chirurgii Dziecicej w Gdansku.Kierownik: z-ca prof. dr R. Sztaba.

(PNEUMONIA) (INTUSSUSCEPTION) (TONSILLITIS)

BORDZILOWSKA, Irena; GROSS, Roman

2 cases of osteoid osteoma of long bones in children. Chir. narzad. ruchu ortop. pol. 28 no.1:79-87 '63.

1. Z Kliniki Radiologii i Radioterapii AM w Gdansku Kierownik: prof. dr med. W. Grabowski Z Kliniki Chirurgii Dziecicej AM w Gdansku Kierownik: dr med. R. Sztaba.
(OSTEOMA, OSTEOID) (FEMORAL NEOPLASMS)

SZTABA, Romuald, doc. dr.; GROSS, Roman; TUDZINSKI, Zbigniew.

Duplication of the digestive tract in children. Pol. przegl. chir. 37 no.4:306-310 Ap'65.

1. Z Kliniki Chirurgii Dzieciecej Akademii Medycznej w Gdansku (Kierownik: doc. dr. R. Sztaba).

BIERNACKA, Elzbieta; GROSS, Roman; NIWIŃSKA, Elżbieta

Catheterization of the umbilical vein in portal hypertension in children. Pediat. Pol. 40 no.10:1059-1062 Oct.

1. Z Kliniki Chirurgii Dziecięcej AM w Gdańsku (Kierownik: doc. dr. med. R. Sztaba) i z Kliniki Radiologicznej AM w Gdańsku (Kierownik: vacat).

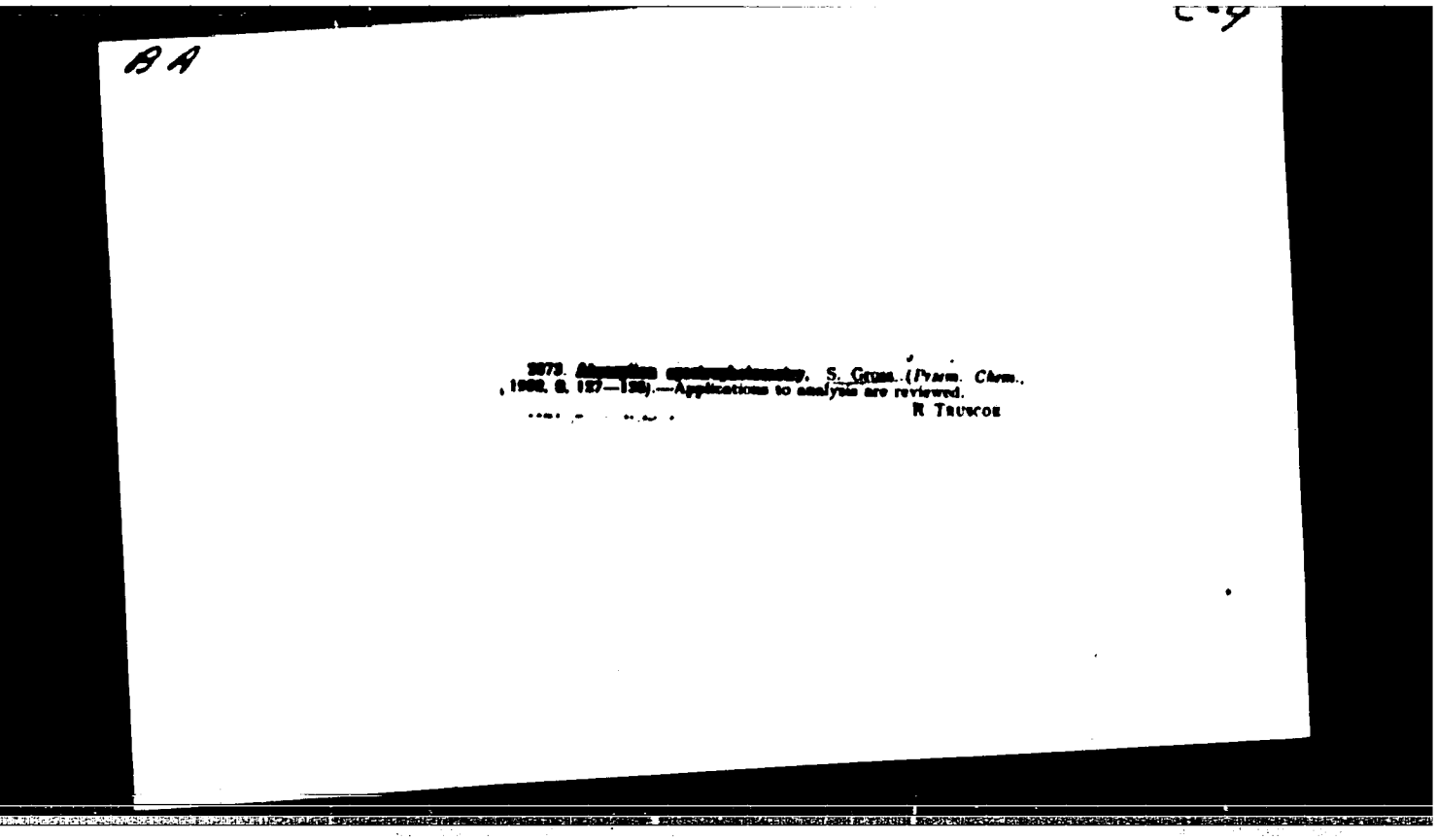
GROSS, S.

Conditioning of grain. p. 166

TECHNIKA VYKUPU, MLYNARSTVI A PEKARSTVI. (Ministerstvo potravinarskeho prumyslu a vykupu zemedelskych vyrobku a Sdruzeni mlynu a pekaren) Praha, Czechoslovakia, Vol. 5, no. 4, Apr. 1959

Monthly List of East European Accessions (EEAI), Vol, 9, no 1, Jan, 1960

Uncl.



BA

3979. Absorption spectrophotometry. S. Gross. (*Pharm. Chem.*, 1968, 8, 127—138).—Applications to analysis are reviewed.
R Taussos

GROSS, S.

Physiological effect of ultraviolet rays. Med. pracy 4 no.2:131-138 1953.
(CIML 24:5)

GROSS, St.

Optical analytical methods in medicine. Med. pracy 5 no.5:379-387 1954.

(ELEMENTS
analysis, optical methods in med.)
(OPTICS
optical methods of element analysis in med.)
(SPECTRUM ANALYSIS
of elements, in med.)

GROSS, Stanislaw

Methemoglobin in nitro and amino compounds poisoning. Polski tygod. lek. 9 no.16:483-487 19 Apr 54

1. Z Instytutu Medycyny Pracy w Lodzi: dyrektor prof. dr E.Paluch.
(HEMOGLOBIN,
methemoglobin in amino & nitro cpds. pois.)
(NITROGEN,
amino & nitro cpds. pois., methemoglobin in)
(POISONING
amino & nitro cpds., methemoglobin in)

LEYKO, W.; GROSS, S.

Adenine compounds in human blood. I. Polarographic and spectrophotometric determination of adenine in deproteinized blood. Acta biochim.polon. 2no:2:155-168 1955.

1. Z Zakladu Biochemii Uniwersytetu Lodzkiego: Kierownik: prof. dr A. Dmochowski i Instytutu medycyny Pracy w Lodzi, Dyrektor: prof. dr E. Paluch.

(ADENINE, in blood,
determ.,polarography & spectrophotometry in deproteinized blood)
(BLOOD,
adenine, polarography & spectrophotometry in deproteinized blood)
(POLAROGRAPHY,
of blood adenine, after deproteinization)

ANTCZAK, K.; CHRZASZCZEWSKA, A.; GROSS, S.

Spectrophotometric determination of the degree of oxydation of hemoglobin. Med. pracy 6 no.4:219-225 1955.

1. Z Instytutu Medycyny Pracy w Lodzi. Dyrektor: doc. dr. j. Nofer i z Zakladu Chemii Organicznej U.L. Kierownik: prof. dr. A. Chrzaszczewska.

(SPECTOPHOTOMETRY
of oxyhemoglobin, determ. of degree of oxidation)
(HEMOGLOBIN
oxyhemoglobin, spectrophotometric determ. of degree of oxidation)

GROSS, Stanislaw

Spectrometry of nucleic compounds. Postepy biochem. 2 no.1: 107-130 1956.

(NUCLEIC ACIDS, determination,
spectrometric methods, review (Pol))

GROSS, S.; WRONSKA, T.

Interpretation of stripe in paper electrophoresis. Acta biochim. polon. 4 no.1:3-17 1957.

1. Z Instytut Medycyny Pracy w Lodzi Dyrektor: doc. J. Nofer.
(ELECTROPHORESIS,
interpretation (Pol))

POLAND/Human and Animal Physiology - The Effect of Physical Factors. Ionizing Radiation. T

Abs Jour : Ref Zhur Biol., No 3, 1959, 13403

Author : Szymczykiewicz, Konrad; Gross, Stanislaw; Sysa, Jozef

Inst : -

Title : Changes in Chronaxia in Rats after Radiation. Preliminary Report.

Orig Pub : Med. Pracy, 1958, 9, No 1, 53-55

Abstract : With total roentgen irradiation of rats with doses of 50, 100, and 400 r, motor chronaxia of the rear extremity significantly increased proportionally with the dosage, but the rheobasis was not changed.

Card 1/1

USSR/Petroleum Industry Jan 1948
Oil Wells
Pumps

"Selection of Centrifugal Pumps for Large Oil Pipes," I. G. Yes'man, S. A. Gross, Baku, 3 pp

"Neft Khozyay" No 1

Centrifugal pumps recently used to boost flow of oil in pipes which carried petroleum with kinetic viscosity of 1-1.3 sq cm/sec. Discusses basic operation of some of the centrifugal pumps produced by Gorlov, and Laptev Works, and known as the "Communist," the "DIP" and the "AYaP." Two plates show side views of one of the pumps.

PA 51T93

Br. Abs.

BL-1, Chem. Eng. Plant, machinery

[redacted] characteristics of centrifugal pumps for transfer of products of varying viscosity. I. G. Kaiman and S. A. Green (*Neft. Khoz.*, 1948, No. 6, 51—56; *J. Inst. Petrol.*, 1948, 34, 393A).—The use of centrifugal pumps on trunk pipelines is discussed. For handling liquid of variable ν a flat form of characteristic is undesirable; the curve should fall steeply and have no "hump." For dealing with liquids with a ν up to 14 sq. cm. per sec., a speed control of 5—10% is advisable. In the case of pumps driven by asynchronous three-phase motors, direct electrical speed variation is complicated; adequate control can be obtained by the use of hydraulic couplings.

R. B. Clarke.

GROSS, S.A., kandidat tekhnicheskikh nauk.

Analytic method of determining the performance of centrifugal pumps. Gidr.stroi. 25 no.10:57 O '56. (MLRA 9:12)
(Centrifugal pumps)

GROSS, S.A.

Determining the threshold value of the viscosity of oil pumped by centrifugal pumps. Neft.khoz. 34 no.11:49-54 N '56. (MLRA 10:1)
(Petroleum--Transportation)

GROSS, S.A., kand.tekhn.nauk

Constructing pipelines of uniform resistance. Stroi. truboprov. 3 no.10:4-5 O '58. (MIRA 11:11)
(Petroleum--Pipelines)

GROSS, S.A.

Analytical determination of the most economical pipeline diameter and spacing between pumping stations. Izv. vys. ucheb. zav.; neft' i gaz 2 no.8:99-107 '59. (MIRA 12:11)

1.Krasnodarskiy institut pishchevoy promyshlennosti.
(Petroleum--Pipelines) (Pumping stations)

GROSS, S.A. (Krasnodar)

Analytic determination of the economically most advantageous diameter of water mains and the number and spacing of pumping stations. Vod. i san. tekh. no.11:25-26 N '59. (MIRA 13:3)
(Water--Distribution)

GROSS, S.A., kand.tekhn.nauk (Krasnodar)

Telescopic graduated petroleum pipelines with increasing internal diameter. Stroi.truboprov. 4 no.12:9-10 D '59. (MIRA 13:5)
(Petroleum--Pipelines)

GROSS, S.A.

Analytical regularity in the change of the diameter of an oil pipeline in service because of local pressure. Izv. vys. ucheb. zav.; neft' i gaz 3 no.7:105-110 '60. (MIRA 15:5)

1. Krasnodarskiy institut pishchevoy promyshlennosti.
(Petroleum--Pipelines)

GROSS, S.A.

Reducing the specific energy consumption in the operati- of petroleum pipelines. Transp. i Khran.nefti i nefteprod. no. 2: 16-18 '64. (MIRA 17:5)

1. Krasnodarskiy politekhnicheskiy institut.